

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSSTP-0006-00(900)	925	1415

BRIDGE CONSISTS OF

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1 - 126'-6" BULB TEE, 72 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
2 - CONCRETE ABUTMENTS ----- SPECIAL DESIGN
4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
    (L = 5'-9"; W = 1'-1"; H = 2'-8")
    (L = 5'-6"; W = 1'-1"; H = 3'-6")
    (L = 7'-0"; W = 1'-1"; H = 2'-8")
    (L = 4'-9"; W = 1'-1"; H = 3'-6")

BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)

CONCRETE BARRIERS - TEMPORARY ----- GA. STD. 4960 (5-10-07)

DETAILS OF PRECAST TEMPORARY BARRIERS ----- GA. STD. 4961 (9-8-06)

CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)

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TRAFFIC DATA

TRAFFIC -----	ADT = 14,850 (2019)
	ADT = 19,200 (2039)
DESIGN SPEED -----	35 MPH
TRUCKS -----	N/A
24 HR TRUCKS -----	5%
DIRECTIONAL -----	N/A

UTILITIES

TRAFFIC SIGNAL CONDUITS ----- DOUGLAS COUNTY

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008
SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE
GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR
BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

TEMPORARY BARRIERS, METHOD 1 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NOS. 4960 AND 4961 TO PROVIDE FOR 2 - 12'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SPECIAL PROVISION SECTION 620.

TEMPORARY BARRIERS, METHOD 2 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO. 4960 TO PROVIDE FOR 2 - 12'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SPECIAL PROVISION SECTION 620.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL
PAYMENT.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

WAITING PERIOD - NONE REQUIRED.

FOOTING ELEVATIONS - DO NOT LOWER FOOTING ELEVATIONS, AS SHOWN ON THE PLANS,
MORE THAN 3' -0" WITHOUT THE APPROVAL OF THE STATE BRIDGE ENGINEER.

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

UTILITY HANGERS - FURNISH AND INSTALL CONCRETE INSERTS. USE ANVIL FIGURE 282, AAA TECHNOLOGY FIGURE 912 OR APPROVED EQUAL CONCRETE INSERTS. INCLUDE THE COST OF FURNISHING AND INSTALLING CONCRETE INSERTS IN THE OVERALL BID SUBMITTED. ALL OTHER COMPONENTS OF HANGER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY UTILITY OWNER.

STANDARD PLAN MODIFICATION - MODIFY THE ENDPOST STANDARD TO INCREASE THE NUMBER OF P40I AND P70I BARS TO PROVIDE 8 OF EACH BAR IN THE 7'-0" ENDPOST.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

CHAIN LINK FENCE - CHAIN LINK FENCE SHALL BE PAID FOR AS "LF CH LK FENCE, ZC
COAT, 6 FT, 9 GA".

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

BRIDGE EXCAVATION - SEE ROADWAY PLAN GENERAL NOTES FOR LOCATIONS OF HARD ROCK
AND/OR BOULDERS.

DESIGN DATA

SPECIFICATIONS ----- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ----- 30 PSF

CONCRETE: SUPERSTRUCTURE -----	CLASS AA, $f_c = 3,500$ PSI
BARRIER -----	CLASS AA, $f_c = 3,500$ PSI
PSC BEAMS -----	CLASS AAA, $f_c = 7,000$ PSI
PSC BEAM ALLOWABLE TENSION -----	502 PSI
SUBSTRUCTURE -----	CLASS AA, $f_c = 3,500$ PSI

REINFORCEMENT STEEL: ----- GRADE 60, $f_y = 60,000$ PSI

PRETENSIONING STRANDS: ----- $f_s = 270,000$ PSI

SUMMARY OF QUANTITIES

<u>PAY ITEM</u>			
<u>NUMBER</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>PAY ITEM</u>
211-0200	4933	CY	BRIDGE EXCAVATION, GRADE SEPARATION
500-0100	1098	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 3 (425)
500-2100	116	LF	CONCRETE BARRIER
500-3002	1499	CY	CLASS AA CONCRETE
507-9032	1483	LF	PSC BEAMS, AASHTO, BULB TEE, 72 IN, BR NO - 3
511-1000	133698	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 3 (82785)
643-1152	117	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA

BRIDGE NO. 3

URS

400 NORTH PARK TOWN CENTER
1000 ABERNATHY ROAD, N. E.
SUITE 900
ATLANTA, GA 30328
TEL: (678) 808-8800
FAX: (678) 808-8400

GEORGIA

DEPARTMENT OF TRANSPORTATION

ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES

SR 5 (SR 8, US 78, BANKHEAD HWY) OVER SR 92

DOUGLAS COUNTY CSSTP-0006-00(900)

SCALE: NONE

FEBRUARY 2014

DESIGNED CAV

CHECKED RSC

REVIEWED DLC/WMD

DRAWN CAV

DESIGN GROUP YSK

APPROVED BFR